| TITLE: Availability of Universal IDMS File Report(S079P002) |
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Purpose

To announce the availability of a universal IDMS file report utility

Definitions

See PSA 2021 'Database Glossary'.

Description

S079P002 is a PL/I program that will access any given IDMS bdam file and
report on file utilization. This program is to be used in-lieu of the
report feature of IDMSDUMP. Release 12.0 of IDMS did not allow IDMSDUMP
to run against individual files. When multiple files are used for some
areas it is impossible for IDMSDUMP to inform you if one file or the
other is full. IDMSDUMP also will not report on selected page ranges.
S079P002 solves both of these problems and runs faster than IDMSDUMP.

Up to 100 files can be processed in one run. This program calculates
file utilization exactly as IDMSDUMP does. There should be no
differences in percent calculated.

Sample JCL

```
//job#      JOB charge code,'name              ',CLASS=A,PRTY=7,
//    MSGCLASS=T,NOTIFY=userid
//*MAIN USER=userid,SYSTEM=SY3
//*
/*********** CALCULATE SPACE ON IDMS BDAM FILE(S) ***************
//STEP1     EXEC PGM=S079P002
//STEPLIB   DD DSN=SYS1.PL1LIB,DISP=SHR
//          DD DSN=SYS1.PL1COMP,DISP=SHR
//*************************************************************
//*   INCLUDE JCL CARD(S) FOR ALL DATABASE FILES TO PROCESS
//*    DDNAME MUST EQUAL FILE NAME IN CONTROL STATEMENTS BELOW
//*************************************************************
//X479H001 DD DSN=Z479.H001,DISP=SHR
```

```
//F479H003 DD DSN=F479.H003,DISP=SHR
//SYSPRINT DD SYSOUT=*,DCB=(RECFM=FB,LRECL=80,BLKSIZE=80)
//****************************************************************
//*     SPECIFY FILES TO PROCESS WITH OPTIONAL BEGIN & END PAGES
//*     CODE DDNAME IN POS 6-11 (MAX. 99 FILES PER RUN)
//*     CODE BEGIN PAGE IN POS 15 - 23
//*     CODE END PAGE IN POS 27 - 35
//*        entire file will be read if begin_page & end_page blank
//*     IE. FILE=X479H001,B=000123456,E=000123555
//*        CONTROL CARDS MAY BE IN ANY ORDER
//****************************************************************
//SYSIN    DD *
FILE=X479H001,B=006000001,E=006000150
FILE=X479H001,B=006000201,E=006000350
FILE=X479H001,B=006000401,E=006000550
FILE=F479H003
/*
```

```
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| Sample O/P  |
|_____|
1FILE=X479H001   B_PAGE=  6000001   E_PAGE=  6000150
     DATE OF RUN=940418 @ 163641920
     FILE BEGINNING AT PAGE NO  6000001
     FILE ENDING AT PAGE NO     6000150
     TOTAL PAGES PROCESSED           149
     PAGE SIZE =  1076
     ****************************************************************
               FILE UTILIZATION IS 11 PERCENT
     ****************************************************************
     %USED       #PAGES     #RECS        ..1..2..3..4..5..6..7..8..9.10
      0- 10        89        105      XXXXXXXXXXXXXXXXXX
     11- 20        46        157      XXXXXXXXX
     21- 30        11         67      XX
     31- 40         2         16
     41- 50         0          0
     51- 60         0          0
     61- 70         0          0
     71- 80         1          5
     81- 90         0          0
     91-100         0          0
```

```
File Name -------- File specified in control statements along with
                   optional begin & end page ranges.
File Beginning --- First page encountered >= b_page
File ending ------ Last page encountered <= e_page
Pages processed -- Total number of pages used by the program.
                   Skips over space management pages.
Page size -------- Page size as read from the IDMS BDAM files
File Utilization - Percent of file used.
%Used ------------ Range of Percent of page utilized.
#Pages ----------- Number of pages within each Range of Percent
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                       utilized.
#Recs ------------ Total number of records on the total pages for
                       each range.
Graph ------------ Graphical representation of pages utilized.


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| Documentation |
|_____|
This program was developed and will be maintained by the ISD DataBase
Administration Subdivision.
```